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Subject: Hurricane Harvey ESF-10 Texas Situation Report #22 for 09-20-17
Attachments: Hurricane Harvey ESF-10 Texas Situation Report #22 for 09-20-17.pdf

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Hurricane Harvey-Texas

ESF-10

Situation Report #22

Subject: SITREP #22
To: Agency Leads
Thru: Maggie Waldon, PSC
From: Unified Command
Date: 9/20/2017
Reporting Period: 9/20/2017

INTRODUCTION

Background

Hurricane Harvey made landfall at 2300 ET, August 26th, as a Category 4 storm near Rockport, Texas. Harvey stalled over southeastern TX. Due to its slow motion and a prolonged period of onshore flow, the impacted areas received more than 50 inches of precipitation which subsequently led to catastrophic flooding.

An ESF-10 Mission Assignment was signed on August 28, 2017. The US Environmental Protection Agency (EPA), Texas Commission on the Environmental Quality (TCEQ), Texas General Land Office (TGLO) and the US Coast Guard (USCG) have entered into Unified Command to begin the evaluation, clean-up and recovery of spills, releases, vessels and orphan containers.

CURRENT ACTIVITIES

Operations Section

On September 20, 2017, Unified Command continued operations in accordance with the Natural Disaster Operational Workgroup (NDOW) Standard Operating Procedures, NDOW forms and Response Manager. The Unified Command is supported by three operational branches: Alpha Branch in Corpus Christi, Bravo Branch in Houston and Charlie Branch in Port Arthur. Hazard Evaluation Teams continued working throughout the Alpha, Bravo and Charlie Branches. ER/Orphan Container Recovery and Staging Area Teams continued working throughout the Bravo and Charlie Branches. Oil/Vessel Discharge Recovery Teams continued working throughout the Alpha Branch. Air Monitoring and Air Operations Teams continued working throughout the Alpha

and Bravo Branches, respectively. Vessel Removal Teams continued working throughout the Charlie Branch.

- EPA's mobile air monitoring Trace Atmospheric Gas Analyzer (TAGA) Team has demobilized.

Mission Assignment:

Request ESF-10 assistance to the State of Texas in support of assessment and response operations to actual or threatened hazardous materials and oil releases/discharges as covered under Category B (Emergency Protective Services) for Public Assistance. The assistance includes response to releases/discharges from fixed facilities, vehicles, intermodal container (to include orphaned containers) and vessels (mobile) sources to remove the threat of imminent danger or contamination to the public that could be caused by any release.

Table 1: Mission Assignments as of 9/20/17			
Funding Sources	Description	Funding Ceiling	End Date
MA 4332DR-TX-EPA-03	As requested by the State of Texas, provide assessment and emergency response support to the State including water/wastewater treatment plant assessments, aerial assessments	\$10,092,000	9/22/2017
USCG MA D17BA1	USCG will provide oil and hazardous materials field response which may include but not limited to the placement of vessels removed of pollutions to a pre-determined staging area; providing specialized expertise; conducting damage assessment of oil/hazmat waste impact via air and/or water; contractor oversight; evaluating hazards; and/or response, removal, or disposal of: actual and potential oil discharges, and releases of hazardous materials, pollutants and contaminations, and remove pollutants from vessels in or upon navigable waters and adjoining shoreline.	\$20,000,000	9/21/2017

Liaison Section

The Liaison Officer coordinated communications with the Unified Command Liaison and Public Information Officer. The Liaison Officer also shared information with the lead Community Liaison from EPA, Region 6 and attended a meeting as observers to hear updates from various community entities providing their local updates to leaders.

Table 2: Field Teams on 9/20/2017 – per IAP #20				
Teams	Alpha	Bravo	Charlie	Total
Hazard Evaluation	0	1	2	3
Hazard Evaluation Debris	2	8	0	10
Oil Discharge Assessment	0	2	0	2
ER/Orphan Container Recovery	0	6	1	7
Oil/Vessel Discharge Recovery	6	0	0	6
Staging Areas	0	1	1	2
Air Operations	0	1	0	1
Air Monitoring	1	0	0	1
Vessel Removal	0	0	1	0
Totals	9	19	5	33

Table 3: Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/20/2017	Number of Targets Remaining Open	9/20/2017	Cumulative
Alpha Branch	0	0	5	106
Bravo Branch	0	0	3	402
Charlie Branch	0	0	0	135
NRC Reports	0	0	0	5
Totals	0	0	8	648

Note- Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.

Table 4: Waste Received at All Staging Pads to Date						
Date	CONTAINERS				TOTALS	
	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Cylinders	Total Items Collected Today	Total Items Collected Project to Date
9/20/2017	4	0	6	0	10	987
Totals	427	397	43	120		

Table 5: Items/Materials Processed for Disposal						
Date	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Cylinders	Solid Waste/Roll Off Box	Total Scrap Metal Recycled (lbs)
Total Present at all Staging Pads (9/20/17)	427	397	43	120	3	2,453
Processed for Disposal						
9/17/2017	80	31	8	18	1	
9/18/2017	0	0	0	0	0	
9/19/2017	37	77	0	0	0	
9/20/2017	56	133	11	34	0	
Remaining to be Processed for Disposal	254	156	24	68	2	
Percent Remaining	59%	39%	56%	57%	67%	

Table 6: Daily/Cumulative Summary of Spills/Discharges (NON-VESSELS)				
Status	Opened		Closed	
	9/20/2017	Number of Facilities/Spills Remaining Open	9/20/2017	Cumulative
Alpha Branch	0	0	0	33
Bravo Branch	0	0	0	77
Charlie Branch	0	3	0	23
NRC Reports	0	8	3	121
Totals	0	11	3	254

Note- Open means the target is yet to be recovered/cleaned up. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Table 7: Daily/Cumulative Summary of VESSELS				
Status	Opened		Closed	
	9/20/2017	Number of Vessels Remaining Open	9/20/2017	Cumulative
Alpha Branch	3	173	10	300
Bravo Branch	0	28	0	46
Charlie Branch	1	35	1	29
NRC Reports	0	1	1	14
Totals	4	237	12	389

Note- Open means the target is yet to be recovered. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

OTHER NOTABLE ACTIVITIES

Alpha Branch

Oil/Vessel Discharge Recovery Teams closed four targets and opened one in Rockport and Key Allegro.

Bravo Branch

ER/Orphan Container Recovery Teams assessed one target container. The Water Task Force recovered four totes within the vicinity of the San Jacinto Reserve and Houston Ship Channel.

The Hazard Evaluation Group assessed a target in Huffman (Harris County), but did not locate the container.

Containers were received from Charlie Branch staging area. The Bravo Branch staging area received four, previously screed, containers from Bravo boat operations. Approximately 30 containers were sampled and approximately 20 containers were field screened for hazardous categories. Operations ceased at 1650 due to lightning, thunder, high winds and rain.

Charlie Branch

The Staging Area Team consolidated all waste streams and will ship them to the Bravo Branch staging area. All cylinders and metal tanks were collected from the staging area by third parties.

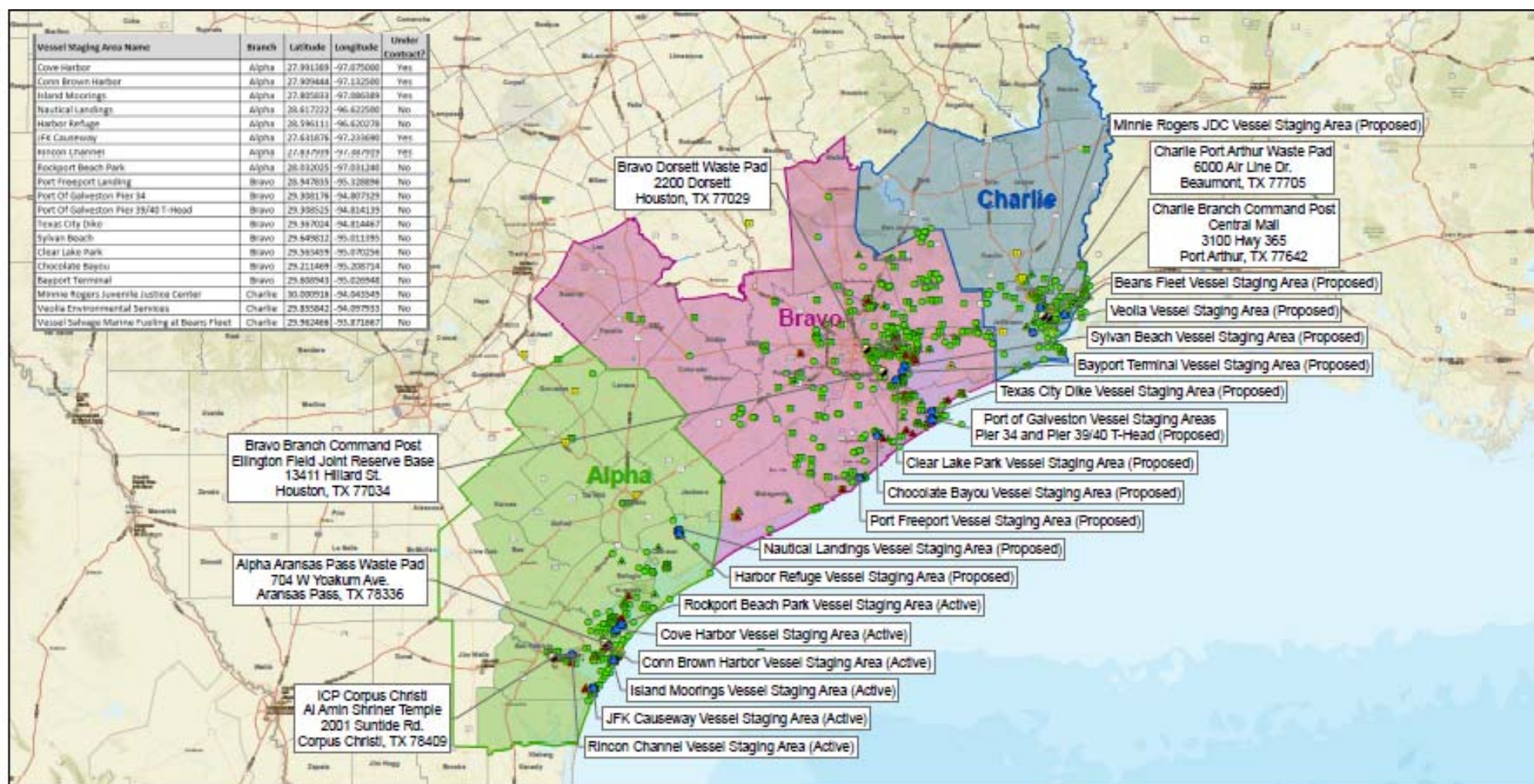
All targets at Charlie Branch have been cleared.

Participating Agencies as of 09/20/2017

- Texas Commission on Environmental Quality (TCEQ)
- Texas General Land Office (TGLO)
- US Environmental Protection Agency (USEPA)
- US Coast Guard (USCG)

Personnel On Site as of 09/20/2017

Agency	ICP	Alpha Branch	Bravo Branch	Charlie Branch	Totals
USEPA	20	2	17	5	44
USCG	18	29	30	8	85
TCEQ	1	0	19	3	23
TGLO	1	3	0	1	5
Contractors	11	2	2	23	38
Totals	51	36	68	40	195



Legend

Federally Declared Counties: ■ in Alpha ■ in Bravo ■ in Charlie

● Incident Command Post (ICP)
/Staging Area

● Vessel Staging Location

Facility/Spill Assessment

- Open
- Open - Cleanup in Progress
- Closed

Haz/Eval Items

- Open
 - Open
 - Closed
- Access Denied/
Leave in Place/
Refer to Other Agency

Vessels

- ▲ Open
- ▲ Open - Cleanup in Progress
- ▲ Closed

USA EPA REGION 6 SITREP Map Alpha, Bravo, Charlie

Hurricane Harvey Response
September 20, 2017



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